

WHAT IS CLAIMED IS:

1. An electronics cabinet comprising:
a bottom surface;
5 a top surface;
a plurality of side wall surfaces connected to the bottom surface
and the top surface;
a door connected to a side wall surface, when the door is closed,
the bottom surface, top surface, side wall surfaces, and door form an air
10 tight and water tight enclosure; and
a heat exchanger mounted to an exterior surface of the
electronics cabinet.
2. The electronics cabinet of claim 1 wherein the exterior
15 surface of the electronics cabinet includes:
a cabinet air exit opening that extends through the exterior
surface into the enclosure; and
a cabinet air inlet opening that extends through the exterior
surface into the enclosure, the cabinet air inlet opening being spaced
20 apart and separated from the cabinet air exit opening.
3. The electronics cabinet of claim 2 wherein the cabinet air
inlet opening lies above the cabinet air exit opening.
- 25 4. The electronics cabinet of claim 2 wherein the heat
exchanger includes:
a first air inlet opening that pulls in a first stream of air, the first
air inlet opening being substantially aligned with the cabinet air exit
opening; and

a second air inlet opening that pulls in a second stream of air.

5. The electronics cabinet of claim 4 wherein the heat exchanger includes:

5 a first air exit opening that exhausts the first stream of air, the first air exit opening being substantially aligned with the cabinet air inlet opening; and

a second air exit opening that exhausts the second stream of air.

10 6. The electronics cabinet of claim 5 wherein the second air inlet opening lies above the second air exit opening.

7. The electronics cabinet of claim 6 wherein the first stream of air and the second stream of air are never mixed with each other.

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8. The electronics cabinet of claim 6 wherein the first stream of air and the second stream of air contact opposite sides of a common wall.

20 9. The electronics cabinet of claim 2 wherein the exterior surface is a side wall surface.

10. The electronics cabinet of claim 2 wherein the exterior surface is a region of a door.

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11. A method of installing a heat exchanger in an electronics cabinet, the method comprising the steps of:

identifying a mounting region on the exterior surface of an electronics cabinet to mount the heat exchanger;

placing a template on the mounting region;
forming a first opening and a spaced apart second opening that
extend through the exterior surface into an interior region of the
electronics cabinet; and
5 mounting a heat exchanger to the electronics cabinet.

12. The method of claim 11 wherein the heat exchanger
includes a third opening that is substantially aligned with the first
opening, and a fourth opening that is substantially aligned with the
10 second opening, the third and fourth openings being spaced apart.

13. The method of claim 11 wherein the forming step includes
the step of drilling a plurality of pilot holes in the exterior surface of the
electronics cabinet through the template.
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14. The method of claim 13 wherein the forming step further
includes the steps of:
drilling the first opening using a first pilot hole; and
drilling the second opening using a second pilot hole.
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15. The method of claim 14 wherein the second hole is larger
than the first hole.
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